



CONSIDERATIONS IN REGARD TO POSSIBLE OF OPERATIONS IN THE PAR SAME AND ARREST OF OPERATIONS

A direction finding operation which rould be definences against Assistance claudestine and tastical radio stations to the Surse, Caten, Indeeding Transfers with possible extension at a later date to cover Theiland, Indeeding, the Phillipines, and East Indies.

The Methods of Operation

I. Long range Adooch DFing for the letteblow of clandestine and/or tentions stations that the Japanese may have within the Allied sphere of influence.

Such work will locate radio stations within a radius of from 30 to 50 miles, to be further identified and located by portable or mobile Loop-direction finding. Each of these long range fixed Adoork direction finding stations, of which there should be a minimum of 8, and more, if possible, will measurable a small monitoring station for the preliminary identification of radio stations and the culting out of those who may be friendly or out of the sphere of activity senderned.

2. Both portable and mobile Loop-direction finding for the final location of an undercover station within the 50 mile radius indicated by cross bearings from Adook stations.

Mobile IP trucks or animal draws vehicles will be used where roads or trails are svailable, or in mountainous terrain not permitting vehicular traffic, coalis-borne pertable squipment will have to suffice. 3. The one of mobile and portable beau-direction flading apparatus in midica, riliages or made state share share definite intelligence indicates that there is a claudestine station in a congested area, but list exact location cannot be determined.

This will require a rather compilerated combing precedure along with speciation receivers and special locating devices. Such as arrangement would seem adequate in most instances: however, it is one of the most difficult type of location to handle because of idiognorasies of radio and the inability to normally identify a station as to whether it is one, twenty, or a theorem dilexamp.

Proposed Location of Adook Stations

1. The geography of the area is question and the fact that the most likely points for triangulation are in Japanese hands will require that we accept second best locations for our fixed direction finding stations. The following probable points are suggested:

Kidemy Island

Darwin, Australia

Colombo, Ceylon

Calcutta, Bengal

Lanchow, Kansu

Cooperation with Other Services

1. The Many is operating and constantly emlarging a rather comprehensive direction finding activity in the Australia-Schomon Islands region, and the tying in with this organization would not only probably climinate the construction of a station in Darwin and possibly the would also give us the benefit of their experience and knowledge of the area and reduce personnel requirements, which is so exceedingly important points.

- 2. The Dribbet have, as far as we know, only one rather antiquated Adecek stables in the rickalty of Calcutta, states any, if it does not limit the operation and control of our own DF organization, be helpful.
- S. These operations must entail the closest assistantian and clarification of all operations among not only the Service Branches of the various Allied nations involved, but also smooth mindsons property of the are assigned to these areas from \$1, 80, 00, and 1-2.

Approximate Requirements and Cost

•	Adough direction finders	*	14,0 00 .00
12	Mobile units		10,000.00
50	Partable DPs		10,000,00
6	Monitoring stations equipped with		
	power supply, receivers, and		
	missellaneous apparatus		88,000.00
12	DF met control transmitters and		
	associated equipment		30,000,00
	Missellaneous apparatus, spare		
	parts, tools	i e de mode	50,000.00
		1	183,000.00

The above figures do not include transportation and installation.

Personnel

8 Adepek stations and their associated monitoring stations and transmitting

9 Mobile units active 8 " 20 "

Supervisory and maintenance personnel 5 * 10

(The figures shown are military personnel only and do not include a large member of native and could help, which can only be determined by conditions in each particular area. Settless do they include personnel which will be assigned by \$1,80, or \$2,16 the coordination of the intelligence gained through the DF service. Summary

- 1. The activisation of an overall direction finding plan fifth the Far Mastern area of Muran, China, and Ladia, which might be empended to include other Japanese occupied territories should and be effected until the entire plan, including its physical. financial and personnel requirements have been very occurrily considered.
- and the closest of cooperation from all of the services, equipment and personnel could not be acquired and obtained in less than 3 to 4 months.

 Such apparatus is on the critical list and the source of personnel of the caliber to handle such an operation is extremely scarce. It would probably be necessary to specially train the officers and men from the ground up in this type of communication work. This requires time for recruitment and selection as well as training.
- 3. In considering such a direction finding plan for this theatter, the topography, transportation, and climatic conditions must be heavily weighed in any deliberation. Mountain barriers will certainly cause errable measurements, and as far as the actual direction finding is concerned, the lack of good roads in many cases will make it almost impossible to locate as claudestine station before it is moved or closed down. With the exception of certain metropolitan areas, it may require months to circumnavigate and cross-hatch an area with portable DF equipment. Trying to locate an

enemy station in an area where the enemy times and bis notifying are in a fluid status is a slow, laborious process. It may be then remy itself could be accomplished, in comparison to the efforts. Direction finding in thesis is not always a precise art, but requires expertance, a certain named in luck, a great amount of patience, and an artist lot of time.

4. It is recommended that before any direction finding plan in this Far Eastern area is decided upon, a competent officer with the knowledge of the possibilities and ramifications of direction finding be sent to the area to consult with Colonel Eifler, the British, the Army Air Force, and Captain Miles, and the American Air Force Command, because all of these people have a personal knowledge built on actual experience in the area. its facilities, its politics, transportation and enemy activities therein.

SECHET

Durchen Fander:

A 469 34 345

Memo for General Pomores.

From: Capt. Fre. 311varra

Subject: D/F SYSTEM IN AFRICA

1. Acors D/F base should not be established.

Accre is far removed from the theater of war executions and from the theater of effective error and collective activity.

It is not likely that enemy radio exists that any and of sufficient strength to be interrograd, or perform taken, by Addra. Nor will high-powered tendential enemy transmitters be located in botth or leaves africant north of Addra for the reason that a process to reason would be too conspicuous and the country too indotesticle to be fed smoolies, and information for the unities.

Those radio transmitters most likely to exist ere (a) low-nowered, (b) located in areas resembly storicist by the enemy and areas used for Allie, investor magazetions.

Although it is true that from a technical stand what Acers is geographically well situated to supresen the scientific ultimate, i.s., 90° angles on D/F "fixes" between Algiers-Dakar-Acers, at the same time points in Africa approaching that angle would be in areas where transmitters are not likely to exist.

2. Cairo D/F station should be established ismediately.

This station, together with Dakar and Algiers (now existing), will provide adequate cover of that north of Africa now intended to be covered by Algiers-Dakar-Acces.

This station would be in good position to lover our military advanced to the north all along two goditerranean, again working in conjunction with Dakar and algiers. Equipment and personnel therefor can easily be diverted by air from Accra to Cairo.

Serious consideration should be given to the establishment of a fourth station at Jasablanca.

3. MP station in demints a state,

Plans abould be fall lossely and the tion.

This would or wide good bear the with Dawer) of Borth Africa, then you a result radio is most likely to exten.

- 4. D/F should be established in the second many to attract enemy radio. Les. Horst Africa. which time to some.
- 5. Keep abreast of the oil that a trans to the analy
- 6. Portable D/F units one and the record three plants desired press.
- 7. Co-ordination with problem 488 (set. decrease introduced in the To give (38 the benefit of the Los of system the benefit of the Los of system and the companion of the Los of
- References: Fouch Letter No. 10 (May 2) 1943/ 31/101 m 33
 Fouch Letter No. 31 (July 13, 1943) # . .

 Pouch Letter, June 28, 1943 307/20 72 00/200.

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1) is not I have the wind the same MOST SECRET

Toı

Brigadier Gemeral William J. Donovac

August 2, 1945

From: Captain John J. McDonough

> You will recall that RUTTERD BOULTON and Captain MERO cabled you regarding the arrangements to be made for the coordination of the OSS D.F. ling and monitoring operation with that of AFRG and British ASS.

Today at a conference with Major BOUVEREE it became apparent that there could be no close working arrangement between RSS and the OSS D.F. ing stations until RUDYERD BOULTON, or some other representative of OSS, has demonstrated to RSS, through Captain MAIDWENT in Washington. that the following conditions have been satisfied:

- That written authorization has been granted to OSS by AFHQ for the operation of the three D.F. Ing and monitoring stations in DAKAR, ALGIERS, and CAIRO;
- That the work of the three stations has been coordinated with the monitoring and D.F. ling activities of the U.S. Army in the North African theatre;
- That the plan for the operation of the three OSS D.F. ing and monitoring stations has been cleared with the War Department and coordinated with the existing menitoring services of the P.C.C., the F.B.I., the Army, and the Navy;
- That proper measures are instituted to prowide the highest degree of security in connection with the operations of the stations at DAKAR, ALGIERS, and CAIRO.



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FROM a VICTOR

TO CASABLANCA

(para)

FROM 154

TO I DONOVAN

AS THERE IS ADSOLUTELY NO DISCRET FOR DR. STUDIES AND THE ARE ARTHMUSE.

NOW IN ABUNDANCE, ANSWERS OF THE FOLLOWITE ARTHMUSE. TREMBED

BY US :

- 1. WHO SHOULD BE HIVEN. IN AFFIQ. THE LOCATION OF THEMY WILLIAM.
- 2. WHO SHOULD BE TIVEN IN AFFEC, THE RAW UNTROKEN THEROSTITT.
- 3. DO YOU APPROVE. AND/OR DOES THEATER COMMANDER APPROVE OUR ICENTIFICATIONS AND BEARINGS WITH * ROOME SAILDAIN * *****
- 4. WHO, IN AFFHQ, GIVES US DIRECTION FOR MATTHEWS OF CONCUENTS.
- #2. OUR 68 ADDRESSED TO YOU AT ALBIERS REQUIRES AN ATOMER DESCRIPTION SEA, and " YOKE BOARD " CLEARANCE IN LONDON IS A'SO NECESSARY.

Radio Security Services British 515 AF Agoton HERO P. S. "

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From:

VILTE

WASHINGTON

(No. 682)

From Boulton to 109.

About July 10, IF men and expirment will active in maker.

Our relations with the British there may be admiredly extended in there are not informal. We unpently used electrons from you extend to the whole Africa IF system and its relation to the Theatre Communication to the Theatre Communication to British ACCO Record intercepts, and what should be the relation to British ACCO Record in July 1 to you.

Captain Fred Silveira, CO of IF at Dakar is now in Algiers, and we suggest that you discuss with him.

June 10, 1240

To: Brig. Con. William Donovan From: R. Boulton and Capt. Hero Subject: D/F System in Africa

- 1. <u>Losation</u> of Stations
 Algiers; Dakar and Accra
- 2. Status as of today

 Algiers and Acers under construction. Dakar siready

 finished. All the personnel presured and 80% of the

personnel already overseas.

3. Purpose

- (a) To locate by means of long range and short range D/F units the location of secret enemy transmitters known to be operating on the Continent of Africa.
- (b) To copy the text of said enemy transmissions and refer such texts, as well as the data on their location, for appropriate action through OSS Algiers to the Theatre Community at Algiers.
- Interchange is most desirable, particularly because the PCC and the RSS have had several years of experience in identifying enemy circuits as such. In other words, with their help we may eliminate circuits that may sound like enemy circuits but actually are known not to be such by the FCC and the RSS. We have made surrangements with the FCC for such

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information and some talks have taken place with the nerthing.

(a) We do not think that the Theatre Commander's staff at Algiers is fully sware that this D/F system is capable of (particularly if it is closely linked with the 355 system) intercepting practically all circuits of enemy secret agents operating in Africa. Though the original request for D/F capable from Col. Eddy, we feel that the equipment he solved for one for intercepting local agents around North Africa.

Provided that arrangements are available at Algiers to break enciphered messages thus obtained it will be possible to be fully informed on the movements of axis agents in Africa as well as on the amount of information such agents are obtaining on our forces. In order to set up the proper limited for this purpose between the Theatre Commander and OSS Algiers it would appear necessary to advise General Smith of the details of this arrangement so that proper limited ean be worked out at a time when the whole system goes into operation which will be about the 20th of July.

(b) From the conversation that we have had with Major Mouverie and Capt. Maidmant (RSS) it appears clear that the comperation between the British and OSS on this matter cannot be officially initiated except through established channels, that is to say, between the "X" Board in Great Britain and GHQ Algiers, However, we do not think that the British should approach GHQ on this matter until such time as General Smith is fully advised of the implications of this project.

/s/ Lawrence W. Louman /s/Whitney H. Shepardec :

Sec. 18 June 1866

DESERAL ROPOVAL

1. Attached for your evenlderation is a monormalm from
le. Soultin and Captain Nove,
logither with a summary proposed
by the Segretarist.

whether the recommendations if the Boulton and Captain More with are summarized in paragraphs (b) and (c) of the Seevetarial many

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OFFICE OF STRATEGIC SERVICES

INTEROFFICE MEMO

TO.

General Denovan

DATE LA June 1945

FROM:

Secretariat

SUBJECT D/P Bystem in Africa

The attached memorandum from Mr. Boulton and Captain Merita

- (a) Indicates that the OSS D/F stations under construction in North Africa, when completed on or about 20 July 1943, will be capable, if used in conjunction with PJC and British RSS systems, of intercepting practically all enemy secret agent transmissions in Africa. Arrangements for cooperation with FCC have been made and preliminary talks have taken place with british RSS.
- (b) Proposes that General Smith be advised of these capabilities and be asked for the cooperation of AFRQ Algiers in setting up facilities for deciphering intercepts.
- (c) Further proposes that after clearance with General Smith a request be inditiated through proper channels (the "Y" Board in Great Britain and GHQ Algiers) for the cooperation of British RSS.

SECRET

Arms 18, 1948,

From: R. Boulton and Capt. Mayo
Subject: D/F System in Africa

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- Interchange of information with FCC (U.S.) and RSS (Great Britain).

 (a) Such interchange is most desirable, particularly because the FCC and the RSS have had several years of experience in identifying enemy circuits as such. In other words, with their help we may eliminate circuits that may sound like enemy circuits but actually are known not to be such by the FCC and the RSS. We have made arrangements with the FCC for such information and some talks have taken place with the British.

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5. Action surposted

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Provided that arrangements are available at Algiers to break emsiphered messages thus obtained it will be possible to be fully informed on the movements of axis agents in Africa as well as on the amount of information such agents are obtaining on our forces. In order to set up the proper limited for this purpose between the Theatre Commander and OSS Algiers it would appear messages to advise General Smith of the details of this arrangement so that proper limited can be worked out at a time when the whole system goes into operation which will be about the 10th of July.

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Lawrence W. Lawren

Whitney H. Shepardson

SECHET

Francisco Contra

To: Brit. Was. Allten woods
From: A. toulton and aph. torn
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